

•

SEQUENCE LISTING

•

,

<110> Nya Hamlet Pharma A/B

. . . .

<120> Biologically active complex

<130> bjs-4984-4 <140> 10/506,903 <141> 2004-12-08 <150> PCT/IB03/01293 <151> 2003-03-07

<150> UK 0205347.8 <151> 2002-03-07

<160> 5

<170> PatentIn version 3.1

<210> 1

<211> 123

<212> PRT

<213> homo sapiens

<400> 1

Lys Gln Phe Thr Lys Cys Glu Leu Ser Gln Leu Leu Lys Asp Ile Asp 1 5 10 15 Gly Tyr Gly Gly Ile Ala Leu Pro Glu Leu Ile Cys Thr Met Phe His 20 25 30 Thr Ser Gly Tyr Asp Thr Gln Ala Ile Val Glu Asn Asn Glu Ser Thr 35 40 45 Glu Tyr Gly Leu Phe Gln Ile Ser Asn Lys Leu Trp Cys Lys Ser Ser 50 55 60 Gln Val Pro Gln Ser Arg Asn Ile Cys Asp Ile Ser Cys Asp Lys Phe 70 75 80 65

Leu Asp Asp Asp Ile Thr Asp Asp Ile Met Cys Ala Lys Lys Ile Leu Asp Ile Lys Gly Ile Asp Tyr Trp Leu Ala His Lys Ala Leu Cys Thr Glu Lys Leu Glu Gln Trp Leu Cys Glu Lys Leu <210> 2 <211> 123 <212> PRT <213> Bos taurus <400> 2 Glu Gln Leu Thr Lys Cys Glu Val Phe Arg Glu Leu Lys Asp Leu Lys Gly Tyr Gly Gly Val Ser Leu Pro Glu Trp Val Cys Thr Thr Phe His Thr Ser Gly Tyr Asp Thr Gln Ala Ile Val Gln Asn Asn Asp Ser Thr Glu Tyr Gly Leu Phe Gln Ile Asn Asn Lys Ile Trp Cys Lys Asp Asp Gln Asn Pro His Ser Ser Asn Ile Cys Asn Ile Ser Cys Asp Lys Phe Leu Asp Asp Asp Leu Thr Asp Asp Ile Met Cys Val Lys Lys Ile Leu Asp Lys Val Gly Ile Asn Tyr Trp Leu Ala His Lys Ala Leu Cys Ser Glu Lys Leu Asp Gln Trp Leu Cys Glu Lys Leu <210> 3 <211> 123 <212> PRT

, ``

<213> Artificial Sequence

· · · ·

<220> <223> Mutation of AA 87 <400> 3 Glu Gln Leu Thr Lys Cys Glu Val Phe Arg Glu Leu Lys Asp Leu Lys 5 10 15 1 Gly Tyr Gly Gly Val Ser Leu Pro Glu Trp Val Cys Thr Thr Phe His 20 25 30 Thr Ser Gly Tyr Asp Thr Gln Ala Ile Val Gln Asn Asn Asp Ser Thr 35 40 45 Glu Tyr Gly Leu Phe Gln Ile Asn Asn Lys Ile Trp Cys Lys Asp Asp 50 55 60 Gln Asn Pro His Ser Ser Asn Ile Cys Asn Ile Ser Cys Asp Lys Phe 65 70 75 80 Leu Asp Asp Asp Leu Thr Ala Asp Ile Met Cys Val Lys Lys Ile Leu 85 90 95 Asp Lys Val Gly Ile Asn Tyr Trp Leu Ala His Lys Ala Leu Cys Ser 100 105 110 Glu Lys Leu Asp Gln Trp Leu Cys Glu Lys Leu 115 120 <210> 4 <211> 123 <212> PRT <213> Artificial Sequence <220> <223> Mutation of AA 87 <400> 4 Glu Gln Leu Thr Lys Cys Glu Val Phe Arg Glu Leu Lys Asp Leu Lys 5 1 10 15 Gly Tyr Gly Gly Val Ser Leu Pro Glu Trp Val Cys Thr Thr Phe His

. .

	20	25		30
Thr Ser Gly 35	Y Tyr Asp Thr Glr	Ala Ile 40	e Val Gln Asn Asn 7 45	Asp Ser Thr
Glu Tyr Gly . 50	/ Leu Phe Gln Ile 55	ASN ASI	n Lys Ile Trp Cys 3 60	Lys Asp Asp
Gln Asn Pro 65) His Ser Ser Asr 70	lle Cys	s Asn Ile Ser Cys . 75	Asp Lys Phe 80
Leu Asp Asp	Asp Leu Thr Asr 85	Asp Ile	e Met Cys Val Lys 3 90	Lys Ile Leu 95
Asp Lys Val	. Gly Ile Asn Tyr 100	Trp Leu 109	u Ala His Lys Ala 1 5	Leu Cys Ser 110
Glu Lys Leu 115	a Asp Gln Trp Leu	ı Cys Glu 120	u Lys Leu	
<210> 5				
<211> 123				
<212> PRT				
<213> Arti	ficial Sequence.			
<220>				
<223> Muta	ation of AA 70			
<400> 5				
Glu Gln Leu 1	n Thr Lys Cys Glu 5	ı Val Phe	e Arg Glu Leu Lys . 10	Asp Leu Lys 15
Gly Tyr Gly	/ Gly Val Ser Lev 20	ı Pro Glu 25	u Trp Val Cys Thr	Thr Phe His 30
Thr Ser Gly 35	/ Tyr Asp Thr Glr	Ala Ile 40	e Val Gln Asn Asn . 45	Asp Ser Thr
Glu Tyr Gly 50	/ Leu Phe Gln Ile 55	e Asn Ası	n Lys Ile Trp Cys 60	Lys Asp Asp
Gln Asn Pro 65	His Ser Arg Ası 70	n Ile Cys	rs Asn Ile Ser Cys . 75	Asp Lys Phe 80

Leu	Asp	Asp	Asp	Leu 85	Thr	Asp	Asp	Ile	Met 90	Cys	Val	Lys	Lys	Ile 95	Leu		
Asp	Lys	Val	Gly 100	Ile	Asn	Tyr	Trp	Leu 105	Ala	His	Lys	Ala	Leu 110	Cys	Ser		
Glu	Lys	Leu 115	Asp	Gln	Trp	Leu	Cys 120	Glu	Lys	Leu							

.

•

. •

•